

## Modified BG-11<sub>0</sub>

1M HEPES-NaOH <sup>1)</sup>	2 mL
K <sub>2</sub> HPO <sub>4</sub> · 3H <sub>2</sub> O	4 mg
MgSO <sub>4</sub> · 7H <sub>2</sub> O	7.5 mg
CaCl <sub>2</sub> · 2H <sub>2</sub> O	3.6 mg
Citric acid	0.6 mg
Ferric ammonium citrate	0.6 mg
Na <sub>2</sub> EDTA - Mg	0.1 mg
Na <sub>2</sub> CO <sub>3</sub>	2 mg
Trace metal mix A5 + Co	0.1 mL
Vitamin B <sub>12</sub>	0.1 µg
Biotin	0.1 µg
Thiamine HCl	200 µg
Agar	1.2 g
Distilled water	97.9 mL

1) To 60 mL of Distilled water add 23.8 g HEPES, and pH is adjusted to 7.5. Bring to 100 mL with distilled water.

### Reference

Castenholz, R. W. 1988 Cultureing methods for cyanobacteria. *Methods Enzymol.*, 167, 68-93.

## Trace metal mix A<sub>5</sub> + Co

H <sub>3</sub> BO <sub>3</sub>	286 mg
MnCl <sub>2</sub> · 4H <sub>2</sub> O	181 mg
ZnSO <sub>4</sub> · 7H <sub>2</sub> O	22.2 mg
Na <sub>2</sub> MoO <sub>4</sub> · 2H <sub>2</sub> O <sup>1)</sup>	3.9 mg
CuSO <sub>4</sub> · 5H <sub>2</sub> O	7.9 mg
Co(NO <sub>3</sub> ) <sub>2</sub> · 6H <sub>2</sub> O	4.9 mg
Distilled water	100 mL

2) In the NIES-Collection, Na<sub>2</sub>MoO<sub>4</sub> · 2H<sub>2</sub>O is increased from 3.9 mg to 39 mg.

### Reference

Waterbury, J. B., Stanier, R. Y. 1981 Isolation and growth of cyanobacteria from marine and hypersaline environments. *The Prokaryotes*, 7, 221-223.